

Clean Energy and Climate Change Region 8 Activities Matrix								
Sept. 2007; Version # 1								
Topic Area 4: Transportation and Fuels								
Title	Description	Goal	Measurable Impact/Outcome	Existing or New (short or long term)	Responsible Office	Lead Contact	Partners/Stakeholders	Comments
Short Term	Implement the Renewable Fuel Standard							
Short Term	Continue to develop and expand the Clean Diesel Campaigns and Regional Collaboratives							
Cleaner Fuels for Brownfields Projects	Use grant criteria to promote the use of environmentally preferable fuels in Brownfield construction projects.	Increase the use of biodiesel on construction sites.			EPR-SA	Dan Heffernan		
Cleaner Fuels for Superfund Projects	Modified language in new contracts (work with HQ to revise old contracts to extent possible) encourage use of environmentally preferable fuels in Superfund construction projects.	Increase the use of cleaner fuel on construction sites.			EPR	Paula Cifka		
Medium Term	Consistent with the President's Executive Order we will develop new fuel and vehicle regulations							
Rocky Mountain Clean Diesel Collaborative	Regional Air Quality Council (RAQC) 2003 Clean School Bus (CSB) Grant	CSB grants are targeted toward retrofit and/or replacement projects that reduce pollution from school buses	800 buses refueled with biodiesel (220,000 gallons of biodiesel); 361 engine pre-heaters installed.	Existing. Conversion to biodiesel is complete, but benefits will be long-term. Installation of pre-heaters is complete, but benefits will be long-term	OAR	Jeffrey Kimes	FHWA	Part of the RAQC's Clean Yellow Fleets for Blue Skies (Phase I) project.
Rocky Mountain Clean Diesel Collaborative	Littleton Public Schools 2004 Clean School Bus (CSB) Grant	CSB grants are targeted toward retrofit and/or replacement projects that reduce pollution from school buses	67 buses refueled with biodiesel (120,000 gallons of biodiesel per month)	Existing. Conversion to biodiesel is complete, but benefits will be long-term.	OAR	Jeffrey Kimes	RAQC	
Rocky Mountain Clean Diesel Collaborative	City and County of Missoula 2004 Clean School Bus (CSB) Grant	CSB grants are targeted toward retrofit and/or replacement projects that reduce pollution from school buses	8 buses refueled with biodiesel	Existing. Conversion to biodiesel is complete, but benefits will be long-term.	OAR	Jeffrey Kimes		
Rocky Mountain Clean Diesel Collaborative	Poudre School District 2006 Clean School Bus (CSB) Grant	CSB grants are targeted toward retrofit and/or replacement projects that reduce pollution from school buses	Engine pre-heaters installed on 57 school buses	Existing. Installation of pre-heaters is complete, but benefits will be long-term	OAR	Jeffrey Kimes		
Rocky Mountain Clean Diesel Collaborative	Regional Air Quality Council (RAQC) 2006 National Clean Diesel Campaign (NCDC) Grant	NCDC grants are targeted toward projects that demonstrate effective emission control technologies and strategies, methods or approaches to reducing diesel emissions.	Idle-Reduction Technology (APUs) will be installed on 12 heavy-duty semi-tractor trailers	New. Once the APUs are installed, the benefits will be long-term.	OAR	Rebecca Russo		

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SmartWay	There are 17 SmartWay partners in Region 8	SmartWay Transport is a voluntary partnership between various freight industry sectors and EPA that establishes incentives for fuel efficiency improvements and greenhouse gas emissions reductions.	Partners commit to measure and improve the efficiency of their freight operations, including idle reduction, truck stop electrification, retrofitting trucks to be more aerodynamic, and more.	Long-Term.	OAR	Rebecca Russo	RAQC, CDPHE, 17 Region 8 SmartWay Partners (13 truck carriers, 1 logistics company and 3 affiliates)	
Rocky Mountain Clean Diesel Collaborative	Regional Air Quality Council (RAQC) 2002 \$50,000 Air Toxics EPA Grant.	The Air Toxics grant was the precursor to the NCDC grant program.	29 engine pre-heaters installed and 19,000 gallons biodiesel purchased.	Existing. Installation of pre-heaters is complete, but benefits will be long-term; conversion to biodiesel is complete, but benefits will be long-term.	OAR	Rebecca Russo	CDPHE, Colorado Motor Carriers	Part of the RAQC's Clean Air Fleets Program.
Rocky Mountain Clean Diesel Collaborative	Jordan School District 2003 Clean School Bus (CSB) Grant	CSB grants are targeted toward retrofit and/or replacement projects that reduce pollution from school buses	10 older, polluting school buses replaced with new compressed natural gas (CNG) buses.	Existing. Purchase of the CNG buses is complete, but benefits will be long term.	OAR	Jeffrey Kimes		
Rocky Mountain Clean Diesel Collaborative	Jordan School District 2005 Clean School Bus (CSB) Grant	CSB grants are targeted toward retrofit and/or replacement projects that reduce pollution from school buses	5 older, polluting school buses replaced with new compressed natural gas (CNG) buses.	Existing. Purchase of the CNG buses is complete, but benefits will be long term.	OAR	Jeffrey Kimes		
Rocky Mountain Clean Diesel Collaborative	Huerfano School District (CO) 2005 Clean School Bus (CSB) Grant	CSB grants are targeted toward retrofit and/or replacement projects that reduce pollution from school buses	2 older, polluting school buses replaced with new compressed natural gas (CNG) buses.	Existing. Purchase of the CNG buses is complete, but benefits will be long term.	OAR	Jeffrey Kimes		
Rocky Mountain Clean Diesel Collaborative	Lamar School District (CO) 2006 Clean School Bus (CSB) Grant	CSB grants are targeted toward retrofit and/or replacement projects that reduce pollution from school buses	2 older, polluting school buses will be replaced with new more efficient buses.	New. After the purchase of the new buses, the benefits will be long term.	OAR	Jeffrey Kimes		
Rocky Mountain Clean Diesel Collaborative	Durango-Ignacio School District (CO) 2006 Clean School Bus (CSB) Grant	CSB grants are targeted toward retrofit and/or replacement projects that reduce pollution from school buses	Engine pre-heaters will be installed on 27 school buses.	New. After installation of the pre-heaters, the benefits will be long term.	OAR	Jeffrey Kimes		

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Rocky Mountain Clean Diesel Collaborative	Sawyer School District (SD) 2006 Clean School Bus (CSB) Grant	CSB grants are targeted toward retrofit and/or replacement projects that reduce pollution from school buses	2 older, polluting school buses will be replaced with new more efficient buses.	New. After the purchase of the new buses, the benefits will be long term.	OAR	Jeffrey Kimes		
Rocky Mountain Clean Diesel Collaborative	Medina High School (SD) 2006 Clean School Bus (CSB) Grant	CSB grants are targeted toward retrofit and/or replacement projects that reduce pollution from school buses	1 older, polluting school bus will be replaced with a new more efficient bus.	New. After the purchase of the new bus, the benefits will be long term.	OAR	Jeffrey Kimes		
Rocky Mountain Clean Diesel Collaborative	Cache County School District (UT) 2006 Clean School Bus (CSB) Grant	CSB grants are targeted toward retrofit and/or replacement projects that reduce pollution from school buses	Engine pre-heaters will be installed on 10 buses.	New. After installation of the pre-heaters, the benefits will be long term.	OAR	Jeffrey Kimes		
Long Term	Support the expansion of production and use of alternative fuels							
Biodiesel Pilot Project in Costilla County, CO	Description: The Costilla County Economic Development Council is partnering with local agriculture and restaurant industries to grow virgin rape seed and collect waste vegetable oil to be refined to make Biodiesel. The fuel will then be used by partnering agriculture and county transportation departments. Methanol will also be recovered during refining and reintroduced as fuel for the process.	1. Order building facility 2. Complete foundation work for the facility 3. Construct the steel building facility 4. Purchase equipment to process WVO into biodiesel 5. Purchase equipment to recover and re-use methanol 6. Install biodiesel processing equipment 7. Collect samples of WVO from local restaurants 8. Process biodiesel fuel from test samples of WVO 9. Install WVO storage equipment 10. Fuel Road and Bridge equipment with 20% biodiesel (B20) 11. Performance testing and analysis of machines running on biodiesel fuel 12. Document a repeatable process to produce high quality biodiesel fuel 13. Install methanol recovery equipment 14. Implement methanol recovery system 15. Test glycerin co-product as soap feedstock, dust abatement and heating fuel	1. Gallons of Biodiesel refined 2. Number of local partners 3. Gallons of Waste Vegetable Oil recycled 4. Amount of Methanol recovered.	Short term	SHWP	Ben Bents	Costilla County Economic Development Council, and USDA	
Other								